

FORM PTO-1449 (modified)
To: U.S. Department of Commerce
(PW FORM PAT-1449)
Patent and Trademark Office

Atty.
Dkt. No.

M#

Client Ref.

283222

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

Applicant: MAX

Appln. No.: 10/19,691 10019691

Filing Date: January 3, 2002

Date: March 26, 2002

Page 1 of 4

Examiner: (Unknown)

Group Art Unit: (Unknown)

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
PAH	AR 6,180,843 B1	01/2001	Heinemann et al.			
	BR 6,028,234	02/2000	Heinemann et al.			
	CR 6,245,955 B1	06/2001	Smith			
	DR 3,308,063	03/1967	Hess et al.			
	ER 3,350,299	10/1967	Hess et al.			
	FR 3,350,300	10/1967	Hess et al.			
	GR 3,856,492	12/1974	Klass			
	HR 3,892,103	07/1975	Antonelli			
	IR 3,983,032	09/1976	Hess et al.			
	JR 4,170,328	10/1979	Kirk et al.			
	KR 4,392,959	07/1983	Coillet			
	LR 4,643,832	02/1987	Iniotakis et al.			
	MR 4,652,375	03/1987	Heilweil et al.			
	NR 4,670,159	06/1987	Garrett et al.			
	OR 4,767,527	08/1988	Iniotakis et al.			
	PR 5,037,555	08/1991	Pasternak et al.			
	QR 5,076,934	12/1991	Fenton			
	RR 5,128,042	07/1992	Fenton			
	SR 5,512,176	04/1996	Blair			
	TR 5,679,254	10/1997	Chakrabarti			
	UR 5,816,057	10/1998	Dickey et al.			
PAH	VR 6,296,060 B1	10/2001	McCaslin			

FOREIGN PATENT DOCUMENTS

	Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract		Translation Readily Available	
					Enclosed	No	Enclose	No
PAH	WR JP55055125	04/1980	Japan	Kimura et al.	X			X
	XR JP61025682	02/1986	Japan	Iwasaki et al.	X			X
	YR JP11319805	11/1999	Japan	O Yoshio	X			X
	ZR JP2000202444	07/2000	Japan	Akine	X			X
	AAR WO01/34267A1	05/2001	PCT	Gougel	X		X	
	BBR JP59029078	02/1984	Japan	Futami et al.	X			X
PAH	CCR JP58109179	06/1983	Japan	Fuchigami et al.	X			X

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

PAH-DDR Russian Abstract Publication No. 2166348, May 10, 2001, Mel'nikov et al. X

Examiner

PAH-RL-USD/KOC

Date Considered:

4/8/04

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Applicant: MAX	
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Examiner: (Unknown)	Group Art Unit: (Unknown)

Date: March 26, 2002 Page 2 of 4

U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (If appropriate)
PAN	AR	6,106,595	08/2000	SPENCER			
	BR	5,873,262	02/1999	MAX ET AL.			
	CR	5,660,603	08/1997	ELLIOT ET AL.			
	DR	5,553,456	09/1996	MCCORMACK			
	ER	5,304,356	04/1994	IJIMA ET AL.			
	FR	2,904,511	09/1959	DONATH	210	211	
	GR	2,974,102	03/1961	WILLIAMS	210	711	
	HR	3,027,320	03/1962	BUCHANAN	X210	711	
	IR	3,119,771	01/1964	COTTLE	210	711	
	JR	3,119,772	01/1964	HESS ET AL.	210	711	
	KR	3,126,334	03/1964	HARLOW	210	711	
	LR	3,132,096	05/1964	WALTON	210	711	
	MR	3,148,143	09/1964	DONATH	210	711	
	NR	3,155,610	11/1964	WILLIAMS	210	710	
	OR	3,171,727	03/1965	BROWN	X62	532	
PAN	PR	3,214,371	10/1965	TUWINER	62	532	

FOREIGN PATENT DOCUMENTS

CREATION EVENT DOCUMENTS							Abstract		Readily Available	
		Document Number	Date MM/YYYY	Country	Inventor Name		Enclosed	No	Enclose	No
find	QR	SU997715	02/1983	Russia	Denisov et al		X			X
PAN	RR	SU1006378	03/1983	Russia	Smirnov et al.		X			X

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

PAN	SR	Rautenbach et al., Entwicklung und Optimierung eines Hydrat-Verfahrens zur Meerwasserentsalzung, Chemie-Ing.-Techn 45 jahrg. 1973/Nr. 5, pp. 259-254.							
PAN	TR	Seliber, Methane Cooled Desalination Method and Apparatus, USPTO, Defensive Publication T939,007 - Published October 7, 1975							
PAN	UR	Japanese Abstract, Journal Number: G0941AAK ISSN No: 0453-0683, 1995, vol. 42, No. 7. Accession Number: 95A0492545, File Segment: JICST-E							
PAN	VR	EPO - Patent Abstracts of Japan Publication No. 61136481, Publication date 24-06-86, Muneschichi, Concentration of Aqueous Solution English language abstract.							
PAN	WR	XP-002143497 SU1328298 English language abstract.							

Examiner P.A. HEUSKOC Date Considered: 4/8/04

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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Date: March 26, 2002

Page

3

of

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Examiner: (Unknown)

Group Art Unit: (Unknown)

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date
PA	AR 3,217,505	11/1965	TUWINER	X585	15	
	BR 3,243,966	04/1966	GLEW	X62	533	
	CR 4,821,794	04/1989	TSAI ET AL.	X62	59	
	DR 5,055,178	10/1991	SUGIER ET AL.	X585	15	
	ER 5,362,467	11/1994	SAKAI ET AL.	X62	532	
	FR 5,448,892	09/1995	CHENG	X62	532	
	GR 3,675,436	07/1972	GANIARIS			
	HR 3,712,075	01/1973	SMITH ET AL.			
	IR 3,813,892	06/1974	JOHNSON			
	JR 3,992,170	11/1976	KARNOFSKY			
	KR 4,207,351	06/1980	DAVIES			
	LR 4,678,583	07/1987	WILSON, III, ET AL.			
	MR 4,686,833	08/1987	HINO ET AL.			
	NR 4,696,338	09/1987	JENSEN ET AL.			
	OR 4,718,242	01/1988	YAMAUCHI ET AL.			
	PR 5,110,479	05/1992	FROMMER ET AL.			
	QR 5,159,971	11/1992	CHIEN C. LI			
	RR 5,364,611	11/1994	IJIMA ET AL.			
	SR 5,444,986	08/1995	HINO			
	TR 5,473,904	12/1995	GUO ET AL.			
	UR 5,497,630	03/1996	STEIN ET AL.			
	VR 135,001	01/1873	MEYLERT			
PA	WR 3,371,035	02/1968	JACOBS ET AL.			
	XR 5,397,553	05/1995	SPENCER			

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

YR					
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PA. HROSKOCI

Date Considered:

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Group Art Unit: (Unknown)

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Page 4 of 4

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
PAA	AR 4,267,022	05/1981	PITCHER	203	100	
	BR 4,376,462	03/1983	ELLIOT ET AL.	166	267	
	CR 4,424,858	01/1984	ELLIOT ET AL.	166	52	
	DR 6,089,022	07/2000	ZEDNIK ET AL.			
	ER 6,112,528	09/2000	RIGBY			
	FR 6,158,239	12/2000	MAX ET AL.			
	GR 5,167,838	12/1992	WILENSKY			
PAA	HR 4,278,645	07/1981	FILSS			

FOREIGN PATENT DOCUMENTS

PRIORITY DOCUMENT							Abstract		Readily Available	
		Document Number	Date MM/YYYY	Country	Inventor Name		Enclosed	No	Enclose	No
PAA	IR	1 320 134 GB	06/1973	GB	Webber et al.		X		X	
	JR	WO 01/04056	01/2001	PCT	MAX	(with substitute sheets)	X		X	
	KR	Sho 58-109179	6/1983	Japanese	Uchigami et al.		X		X	
PAA	LR	Sho 58-29078	2/1984	Japanaese	Nimi et al		X		X	

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

PAA	MR	Max et al., "Extraction of Methane from Oceanic Hydrate System Deposits", Offshore Technology Conference, Paper No. 10727, pp. 1-8 (1999)			
	NR	Max and Lowrie, "Oceanic Methane Hydrates; A "Frontier" Gas Resource", <u>Journal of Petroleum Geology</u> , Vol. 19(a), pp. 41-56 (January 1996)			
	OR	Max and Dillon, "Oceanic Methane Hydrate: The Character of the Blake Ridge Hydrate Stability Zone, and the Potential for Methane Extraction," <u>Journal of Petroleum Geology</u> , Vol. 21(3), July 1998, pp. 343-357			
	PR	Max, M.D., "Oceanic Methane Hydrate: The Character of the Blake Ridge Hydrate Stability Zone, and the Potential for Methane Extraction," Author's correction, <u>Journal of Petroleum Geology</u> , Vol. 22(2), pp. 227-228 (April 1999).			
	QR	Max and Chandra, "The Dynamic Oceanic Hydrate System: Production Constraints and Strategies," Offshore Technology Conference, Paper No. 8684, pp. 1-10 (1998).			
	RR	Max et al., "Methane-Hydrate, A Special Clathrate: Its Attributes and Potential," <u>Naval Research Laboratory, NRL/MR/6101-97-7926</u> , pp. 1-74 (February 28, 1997)			
PAA	SR	Max and Lowrie "Oceanic Methane Hydrate Development: Reservoir Character and Extraction," <u>Naval Research Laboratory (NRL), OTC 8300</u> , pp. 235-240.			

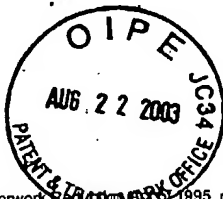
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P.A. HRUSKOCI

Date Considered:

4/8/04

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> Sheet <u>1</u> of <u>1</u>		Complete if Known	
		Application Number	10/019,691
		Filing Date	01/03/2002
		First Named Inventor	MICHAEL DAVID MAX
		Art Unit	1744
		Examiner Name	(Unknown)
		Attorney Docket Number	018984-0283222

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
PAM	1	US- 4,272,383	9 June 1981	MCGREW	
		US-			
		US-			
		US-			
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³ Number ⁴ Kind Code ⁵ (If known)				

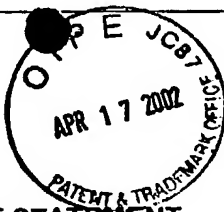
Examiner Signature	P.A. HRUSKOCI	Date Considered	4/8/04
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Atty.
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Applicant: MAX

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Group Art Unit: (Unknown)

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Page

1

of

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U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
DAJ	AR	3,371,035	02/1968	JACOBS			
	BR						
	CR						
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	ER						
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FOREIGN PATENT DOCUMENTS							Abstract		Readily Available	
		Document Number	Date MM/YYYY	Country	Inventor Name		Enclosed	No	Enclose	No
	OR									
	PR									
	QR									
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	ZR									
	AAR									
	BBR									
	CCR									
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